What is claimed is:

- 1 1. An apparatus comprising:
- 2 a fuel cell;
- an integrated circuit; and
- a cooling system to cool the fuel cell and the integrated circuit;
- 5 wherein the cooling system includes a fluid medium to remove heat from the
- 6 fuel cell and the integrated circuit.
- 1 2. The apparatus of claim 1 wherein the fuel cell includes at least one electrode
- 2 through which the fluid medium passes.
- 1 3. The apparatus of claim 1 further comprising a pump to pump the fluid
- 2 medium.
- 1 4. The apparatus of claim 1 further comprising at least one temperature sensor.
- 1 5. The apparatus of claim 4 wherein the temperature sensor is configured to
- 2 sense a temperature of the fuel cell.
- 1 6. The apparatus of claim 4 wherein the temperature sensor is configured to
- 2 sense a temperature of the integrated circuit.
- 1 7. The apparatus of claim 4 further comprising a control system adapted to
- 2 modify a fluid flow in response to a temperature sensed by the temperature sensor.
- 1 8. The apparatus of claim 4 further comprising a control system adapted to
- 2 modify a power output level of the fuel cell in response to a temperature sensed by
- 3 the temperature sensor.

- 1 9. The apparatus of claim 1 wherein the integrated circuit comprises a
- 2 processor.
- 1 10. The apparatus of claim 1 further comprising a plurality of heat generating
- 2 devices coupled to the cooling system.
- 1 11. The apparatus of claim 1 wherein the fluid medium comprises a liquid metal.
- 1 12. The apparatus of claim 1 wherein the cooling system is adapted to have the
- 2 fluid medium transition through a phase change.
- 1 13. An apparatus comprising:
- a fuel cell having an electrode with passageways through which a fluid
- 3 cooling medium can pass; and
- a fluid path adapted to be coupled to the passageways and to a heat
- 5 generating device other than the fuel cell.
- 1 14. The apparatus of claim 13 further comprising a pump coupled to the
- 2 electrode, the pump configured to pump the fluid cooling medium through the
- 3 passageways.
- 1 15. The apparatus of claim 13 further comprising an integrated circuit coupled to
- 2 the fluid path.
- 1 16. The apparatus of claim 15 wherein the integrated circuit comprises a
- 2 graphics circuit.
- 1 17. The apparatus of claim 15 wherein the integrated circuit comprises a
- 2 processor.

- 1 18. The apparatus of claim 13 further comprising a temperature sensor.
- 1 19. The apparatus of claim 18 further comprising a control system to increase
- the fuel cell output when a temperature sensed by the temperature sensor drops.
- 1 20. A method comprising:
- sensing a temperature within a cooling system adapted to cool a fuel cell and
- a device at least partially powered by the fuel cell; and
- 4 modifying a fluid flow of the cooling system.
- 1 21. The method of claim 20 wherein sensing a temperature comprises sensing a
- 2 temperature of the fuel cell.
- 1 22. The method of claim 20 wherein sensing a temperature comprises sensing a
- temperature of the at least one other device.
- 1 23. A method comprising:
- sensing a temperature within a cooling system adapted to cool a fuel cell and
- at least one other device; and
- 4 modifying a power output of the fuel cell.
- 1 24. The method of claim 23 wherein sensing a temperature comprises sensing a
- 2 temperature of the fuel cell.
- 1 25. The method of claim 23 wherein sensing a temperature comprises sensing a
- 2 temperature of the at least one other device.
- 1 26. The method of claim 25 wherein modifying a power output comprises
- 2 increase the power output when the temperature drops.

- 1 27. An apparatus including a medium adapted to hold machine-accessible
- 2 instructions that when accessed result in a machine performing:
- sensing a temperature within a cooling system adapted to cool a fuel cell and
- 4 at least one other device; and
- 5 modifying a power output of the fuel cell.
- 1 28. The apparatus of claim 27 wherein sensing a temperature comprises sensing
- a temperature of the at least one other device.
- 1 29. The apparatus of claim 28 wherein modifying a power output comprises
- 2 increase the power output when the temperature drops.
- 1 30. An electronic system comprising:
- 2 a fuel cell;
- 3 an integrated circuit;
- a cooling system to cool the fuel cell and the integrated circuit, wherein the
- 5 cooling system includes a fluid medium to remove heat from the fuel cell and the
- 6 integrated circuit; and
- an antenna coupled to the integrated circuit.
- 1 31. The electronic system of claim 30 wherein the electronic system comprises a
- 2 computer.
- 1 32. The electronic system of claim 31 wherein the fuel cell is external to the
- 2 computer.
 - 33. The electronic system of claim 31 wherein the fuel cell is in a swappable bay
- 2 of the computer.

1	34.	The electronic system of claim 31 wherein the fuel cell is semi-permanently	
2	affixed	affixed within the computer.	